Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/01/2015 12:03 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124176	-1	2.51	124005	2.47
Blue	F	SSC	125000	125090	0	3.18	125958	2.88
Blue	E	FITC	17998	17366	-4	2.51	980	8.63
Blue	D	PE	23234	22687	-3	2.07	1024	7.91
Blue	B	PerCP-Cy5-5	69571	68567	-2	2.79	1805	12.79
Blue	A	PE-Cy7	77815	77290	-1	3.87	1007	24.48
Red	C	APC	65936	65159	-2	2.52	3674	8.03
Red	A	APC-Cy7	100669	98683	-2	2.53	1945	7.75
Violet	B	V450	10405	9968	-5	4.28	620	8.72
Violet	A	V500	47250	46384	-2	3.99	2623	6.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19357	10.75	600	21	N/A	N/A	Pass
Blue	F	SSC	62450	1.84	511	22	N/A	N/A	Pass
Blue	E	FITC	106	32.95	526	11	0.0267	24	Pass
Blue	D	PE	211	23.32	520	13	0.1756	104	Pass
Blue	B	PerCP-Cy5-5	218	37.87	605	15	0.0118	0	Pass
Blue	A	PE-Cy7	74	96.49	662	16	0.0154	8	Pass
Red	C	APC	342	27.26	585	7	0.0219	94	Pass
Red	A	APC-Cy7	122	37.40	565	6	0.0050	788	Pass
Violet	B	V450	66	41.45	467	17	0.0402	1471	Pass
Violet	A	V500	172	21.53	508	20	0.0138	50	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.50	-31.26	0.72
Blue	20.47	16.35 - 24.53	1.24	1.00 - 1.50	0.00	0.00	1.19
Red	15.33	13.07 - 19.61	N/A	N/A	31.69	32.09	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 13348

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments